

In the Claims:

This listing of claims replaces all prior versions.

1. (Previously presented) A method of performing configuration or control of a subsystem, comprising: providing together with the subsystem a configuration/control unit having a controller portion and a storage portion storing configuration parameters; the configuration/control unit receiving an activation signal; and the configuration/control unit, in response to the activation signal, performing configuration or control of the subsystem, including storing at least one of the configuration parameters in a register of the subsystem.
2. (Previously presented) The method of claim 1 wherein the subsystem is a hardware subsystem, and the configuration/control unit is a hardware configuration/control unit.
3. (Previously presented) The method of claim 1 wherein the hardware subsystem and the hardware configuration/control unit are provided together within the same integrated circuit.
4. (Original) The method of claim 1 wherein the activation signal is a configuration/control ID.
5. (Previously presented) The method of claim 4 wherein the configuration/control unit is responsive to multiple different configuration/control IDs for performing different corresponding configuration or control actions with respect to the subsystem.
- 6 (Previously presented) A subsystem having self-configuration capabilities, comprising: a register section including multiple registers, the subsystem functioning differently depending on contents of the registers; and a configuration/control unit having a controller portion and a storage portion storing configuration parameters; wherein the configuration/control unit is responsive to an activation signal for performing

configuration or control of the subsystem, including storing at least one of the configuration parameters in one of the multiple registers of the subsystem.

7. (Previously presented) The apparatus of claim 6 wherein subsystem is a hardware subsystem, and the configuration/control unit is a hardware configuration/control unit.

8 (Previously presented) The apparatus of claim 7 wherein the hardware subsystem and the hardware configuration/control unit are provided together within the same integrated circuit.

9. (Original) The apparatus of claim 6 wherein the activation signal is a configuration/control ID.

10 (Previously presented) The apparatus of claim 9 wherein the configuration/control unit is responsive to multiple different configuration/control IDs for performing different corresponding configuration or control actions with respect to the subsystem.

11. (Previously presented) For use in a system that includes a processor coupled to a hardware subsystem via a system bus, the hardware subsystem including a configuration/control unit and a plurality of registers, a method of configuring the subsystem comprising:

storing a plurality of configuration parameters in the configuration/control unit;
and

responsive to the configuration/control unit receiving a single configuration/control ID from the processor, writing one or more of the plurality of configuration parameters from the configuration/control unit to one or more of the plurality of registers.

12. (Previously presented) The method of claim 11, wherein the configuration/control unit is a state machine.

13. (Previously presented) The method of claim 11, wherein the subsystem is a USB block comprising a plurality of ports that can operate in different modes responsive to which of the plurality of configuration parameters are written to which of the plurality of registers.